Peter Lee

portfolio www.peterlee.tech

contact
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Skills

Languages
Java, Python, C/C++, Javascript, HTML, CSS, Latex

Frameworks
Meteor, MEAN stack, Bootstrap, jQuery, Sass, Materialize

Project Workflow
Gulp + Browsersync, NPM, Bower, Github, Heroku

Operating Systems
Linux, Windows

Design
Adobe Photoshop, Adobe Illustrator

Education

UC Berkeley
Class of 2019

B.A. Computer Science and Applied Mathematics
GPA: 4.0

Relevant Coursework
CS61A – Structure and Interpretation of Computer Programs (A+)
CS61B – Data Structures and Algorithms (A+, Ranked 3rd out of 1360)
CS70 – Discrete Math and Probability Theory
Math 54 – Linear Algebra and Differential Equations
Ind End 192 – Technology and Entrepreneurship

Awards
Dean's List – Awarded to the Top 4% of L&S Students
Hackerrank World Cup Competition – Semifinalist
Hack Into It Hackathon – Overall 3rd Place

Projects

Interactive Competitive Programming Notebook, www.peterlee.tech/algorithms — December 2015 – Present
Materialize, Sass, jQuery, C++, Java
- Created an online interactive collection of famous algorithms in computer science as a reference for competitive programming contests

Frontend Boilerplate, www.peterlee.tech/FrontendBoilerplate — July 2016
Bootstrap, jQuery, Sass, Gulp + Browsersync
- Created a starter project for a highly customizable, modern frontend web project
- Compiled advanced frontend features including parallax and scroll animations

Yelp Maps, www.github.com/petr-lee/YelpMaps — November 2015
Python
- Built a program in Python that retrieves data from the Yelp academic dataset and displays a visualization of restaurant ratings using machine learning
- Implemented regions that are highlighted based on restaurant quality and density
- Created a generator that displays a Voronoi diagram using k-means clustering algorithm

Bear Maps, www.github.com/petr-lee/BearMaps — February 2016
Java
- Created a clone of Google Maps using the JavaFX library and advanced data structures including a QuadTree and Trie
- Implemented data retrieval from a set of images of the Berkeley region that displays corresponding images based on zoom level and location

Experience

Hack In, www.hackin.io — June 2016 – July 2016
Co-founder and Chief Technology Officer
- Built a recruiting platform for tech companies to assess software development applicants through an integrated technical assessment
- Created an online platform using Meteor.js and MongoDB with 5000 lines of code in 3 weeks for the beta release
- Implemented server-side compilers to rank applicants using automated software development evaluation

CS61B — August 2016 – Present
Lab Assistant
- Instructed students during lab and office hours on basic practices in software development and understanding of fundamental data structures and algorithms in CS theory

Activities

United Nations Refugee Agency at Cal, unrac.berkeley.edu — September 2015 – Present
Lead Web Developer
- Created the website for an organization that is dedicated to raising awareness for the Syrian Refugee Crisis
- Designed online recruitment process for potential members

Alary Language, www.alarylanguage.club — July 2016 – Present
Director of Technology
- Created the website for an organization that connects language learning students and fostering a personal learning experience through companionship
- Managed the application structure and lesson plans for multiple languages

Computer Science Mentors — August 2016 – Present
Mentor
- Taught a group of computer science students fundamental concepts of data structures, software development, and algorithms
- Created lesson plans and review sheets to improve general problem solving skills and prepare students for exams

University Symphony Orchestra — August 2015 – May 2016
Cellist
- Performed at sectionals, concerts, and rehearsals 7 hours each week to practice classical symphonies by Tchaikovsky, Dvorak, and Mendelssohn as well as modern compositions by guest composers